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MAYSTROV, L.Ye.

Mathematical signs and terms used in archaeological findings of ancient Russia. Ist.-mat. issl. no.10:595-616 '57. (MIRA 11:1)
(Russia--Mathematics--History)

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MAYSTROV, L.Ye.

16(1) PHASE I BOOK EXPLOITATION SOV/2660

Vsesoyuznyy matematicheskiy s"yezd. 3rd, Moscow, 1956

Trudy. t. 4: Kratkoye soderzhaniye sektsionnykh dokladov. Doklady inostrannykh uchenykh (Transactions of the 3rd All-Union Mathematical Conference in Moscow. vol. 4: Summary of Sectional Reports. Reports of Foreign Scientists) Moscow, Izd-vo AN SSSR, 1959. 247 p. 2,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Matematicheskiy institut.

Tech. Ed.: G.N. Shevchanko; Editorial Board: A.A. Abramov, V.G. Boltyanskiy, A.M. Vasil'yev, B.V. Medvedev, A.D. Myshkis, S.M. Nikol'skiy (Resp. Ed.), A.G. Postnikov, Yu. V. Prokhorov, K.A. Rybnikov, P. L. Ul'yanov, V.A. Uspenskiy, N.G. Chetayev, G. Ye. Shilov, and A.I. Shirshov.

PURPOSE: This book is intended for mathematicians and physicists.

COVERAGE: The book is Volume IV of the Transactions of the Third All-Union Mathematical Conference, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented by Soviet scientists at the Conference that were not included in the first two volumes. The second part contains the text of reports submitted to the editor by non-Soviet scientists. In those cases when the non-Soviet scientist did not submit a copy of his paper to the editor, the title of the paper is cited and, if the paper was printed in a previous volume, reference is made to the appropriate volume. The papers, both Soviet and non-Soviet, cover various topics in number theory, algebra, differential and integral equations, function theory, functional analysis, probability theory, topology, mathematical problems of mechanics and physics, computational mathematics, mathematical logic and the foundations of mathematics, and the history of mathematics.

Shakhsuvarov, D.N. (Moscow). A study of electromagnetic fields in laminar media 125

Section on the History of Mathematics

Akhadova, M.A. (Bukhara). Works of mathematicians of Central Asia on the theory of parallel lines 126

Kotek, V.V. (Kiyev). On the question of Leonard Euler's world outlook 126

Kochev, V.A. (Sverdlovsk). From the studies of V.G. Imshenetskiy in the field of the theory of the integration of partial differential equations 127

Lunts, G.L. (Moscow). Application of Lobachevskiy's criterion 128

Maystrov, L.Ye. (Moscow). On the mathematical symbols and terms found in new archaeological discoveries in the territory of ancient Russia 128

Card 24/ 34

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

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MAYSTROV, L. YE.

PHASE I [illegible]

File: [illegible]

[illegible]

TABLE OF CONTENTS:

Foreword

PART I [illegible]

[illegible], I.P. Quantity of Matter and the Principle of [illegible] of Matter

*Ovchinnikov, N.F., and A.I. [illegible]. Is the First Newtonian Law of Motion a Corollary of the Second? 81

Shchekina, L.I. Principle of Conservation and Transformation of Energy and the Law of Causality 86

PART II [MATHEMATICS]

Rybnikov, K.A. Algebraic Roots of Differential Calculus 94

Maystrov, L.Ye. Discordant Views of Materialism and Idealism on the Theory of Probability 102

Biryukov, B.V. Frege's Contributions to the Philosophy of Mathematics 134

Getmanova, A.D. Leibnitz's Theories on the Correlation Between Mathematics and Logic [Mathematical Logic] 178

PART III [CHEMISTRY]

Shakhparonov, M.I. Dialectics of the Concept of "Chemical Substance" 213

Gerasimov, Ya.I. Certain Fundamental Concepts of Thermodynamics 227

Gavrilov, N.I Problem of Albumen (Its Chemical Structure) 233

AVAILABLE: Library of Congress (QH302.F5)

Card 4/4

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APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

(SOV/47-59-3-48/53

AUTHOR: Maystrov L.E., (Bol'shevo, Moscow Oblast)

TITLE: The Value of Specific Weights in the Treatise "Key to Arithmetic"

PERIODICAL: Fizika v shkole, 1959, Nr 3, p 107 (USSR)

ABSTRACT: The author gives methods for determining specific weight as shown in the treatise "Key to Arithmetic" composed by Dzhemshid Giyaseddin Kashi of Samarkand, who died in 1456. The article is based on the Russian translation, which was published in Historical-Mathematical Investigations issue VII, M., 1954. This is the first translation of this work from the Arabic language. There is 1 table.

Card 1/1

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16(1) SOV/42-14-3-21/22

AUTHOR: Maystrov, L.Ye.

TITLE: The Origin of the Moscow Mathematical Society

PERIODICAL: Uspekhi matematicheskikh nauk, 1959, Vol 14, Nr 3, pp 227 - 234 (USSR)

ABSTRACT: The foundation assembly took place on September 15 (27), 1864 in presence of Professor N.D. Brashman, A.Yu. Davidov, V.Ya. Tsinger, F.A. Sludskiy, A.V. Letnikov, N.K. Alekseyev, O.O. Blazheyevskiy, K.M. Peterson, F.A. Bredikhin, V.F. Khandrikov. K.A. Rachinskiy, Potemkin. A further member was N.A. Lyubimov. First gifts for the library made by K.A. Rachinskiy, A.V. Letnikov, N.N. Alekseyev. On October 20, 1864 S.S. Urusov became member. Besides the members there participated F.Ye. Orlov, Ye.F. Sabinin, Gika. On November 17, 1864 lectures were given. Furthermore on December 15, 1864; January 19, 1865; February 16, 1865; March 16, 1865. On May 6, 1865 N.V. Bugayev became member. On April 20, 1865 lectures were given in presence of P.L. Chebyshev. Further lectures on October 16, 1865; November 20, 1865; December 20, 1865. On January 6, 1866 a resolution was passed in order to solicit the official confirmation of the society. Further lectures on January 15,

Card 1/2

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The Origin of the Moscow Mathematical Society SOV/42-14-3-21/22

1866; February 19, 1866; March 19, 1866. On April 16, 1866 Ye.F. Sabinin was elected. Reception of a note of Yur'yev. On September 17, 1866 lectures were given, election of a new chairman, Further lectures on October 15, 1866; November 19, 1866; December 17, 1866; January 21, 1867. On January 28, 1867 the statutes of the society were confirmed. At the end of the year 1866 the first number of the periodical Matematicheskiy Sbornik was published.

Card 2/2

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSTROV, L.Ye.; PROSVIRKINA, S.K.

Popular wooden calendars. Ist.-astron. issl. no. 6:279-298 '60. (MIRA 14:2)

(Calendars, Runic)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSTROV, L.Ye.

Runic calendars. Ist.-astron.issl. no.8:269-283 '62. (MIRA 16:3)
(Calendars, Runic)

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MAYSTROV, L.Ye.

First accounting machine invented by P.L. Chebyshev. Ist. mat. issl. no.14:349-354 '61. (MIRA 16:10)

(Accounting machines)

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BELINSKIY, Vasiliy Alekseyevich; KALIKHMAN, Isaak Lipovich; MAYSTROV, Leonid Yefimovich; NIT'KIN, Aleksandr Miknayilovich; TAL'SKIY, D.A., red.

[Higher mathematics with the fundamentals of mathematical statistics] Vysshaia matematika s osnovami matematicheskoi statistiki. Moskva, Vysshaia shkola, 1965. 515 p. (MIRA 18:8)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSTROV, L.Ye.

Ancient device for determining the duration of day and night. Zem. i vsel. 1 no.4:81-83 Jl-Ag '65. (MIRA 18:12)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAY STEROVA, E. T.

PHASE I BOOK EXPLOITATION SOV/5088

Akademiya nauk SSSR

Primeneniye logiki v nauke i tekhnike (Application of Logic in Science and Technology) [Moscow] Izd-vo AN SSSR [1960] 357 p. Errata slip inserted. 10,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR.

Editorial Board: Resp. Ed.: I. V. Tavanets, E. Ya. Kol'man, G. N. Povarov and S. A. Yanovskaya; Ed. of Publishing House: R. Yu. Rozenberg; Tech. Ed.: S. T. Markovich.

PURPOSE: This book is intended for scientists interested in mathematical and symbolic logic.

COVERAGE: The book is a collection of 16 articles in which the authors discuss problems of mathematical logic and its application to computers, linguistics, zoology, methodology and various fields of technology. No personalities are mentioned. References follow all but one article.

Petrov, Yu. V. Significance of the Axiomatic Method in the Study of Trends in Changes of Living Systems 178

Zinov'yev, A. A. Deductive Method in Investigating the Propositions of Relationship 215

Zinov'yev, A. A. Generality Problem of Propositions of Relationships 243

Zinov'yev, A. A. One Variant of the Definition Theory 251

Povarov, G. N. Group Invariance of Boolean Functions 263

Shestakov, V. I. Double Arithmetic Interpretation of the Three-Valued Calculation of the Proposition Used in Simulating This Calculation by Means of a Relay-Switching Circuit 341

Tsetlin, M. L. and L. M. Shekhtman. Some Problems of Physical Realization of Systems Performing Logical Functions 377

Mavstrova, D. T. Application of Many-Valued Logics in the Theory of Relay Systems 394

Povarov, G. N. Inductive and Deductive Aspects of Logic Connected with Logical Problems in Technology 415

Kedrov, B. M. "Phase Method" in Formal Logic 502

Biryukov, B. V. Sense Theory of Gottlob Frege

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5-12-61

Card 4/4

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

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SOV/112-58-1-388

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 1, p 58 (USSR)

AUTHOR: Maystrova, T. L.

TITLE: Use of Implication in the Theory of Relay Circuits (Primeneniye implikatsii v teorii releynykh skhem)

PERIODICAL: Sb. statey Vses. zaochn. politekhn. in-ta, 1957, Nr 16, pp 47-50

ABSTRACT: An example of transformation of a relay-contact circuit by means of implication is examined; a number of relay-contact circuit transformations are proved.

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1. Electric relays--Circuits

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C111/C333

16.6000 (11-1,1321,1329,1024)

AUTHOR: Maystrova, T. L.

TITLE: The equivalence of relay circuits with respect to the effect

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1961, 45, abstract 8A291. ("Probl. peredachi inform." (Vyp. 4 M., AN SSSR, 1959, 97-114)

TEXT: For the representation of the structure of relay - contact (r.-c.) circuits of the class Π which contain only single-coil relays of a conductance order (RZh Mat, 1958, 4556, 7554; 1960, 10120 K) the triadic logic of Lukasevich is used. The structure formulas of the r.-c. circuits are denoted by capital letters, where the initial letters A, B, C are used for the denotation of the relay contacts and the final letters X, Y, .. of the Latin alphabet for the denotation of the relay coils. To every structure formula S of the circuit the conductance of the present circuit is assigned, it is denoted by the corresponding small letter of the Latin alphabet. Three values of the conductance are distinguished: a zero value, a finite and an infinite value, they are denoted by 0, 1/2 and 1. The parallel and the

Card 1/4

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The equivalence of relay circuits . .

cascade connection of the dipoles P and Q are denoted by P+Q and P·Q. The conductances of the circuits P+Q and P·Q are defined by the conductances p and q of the dipoles P and Q with the aid of the operations p+q=max(p,q) and p·q = min(p,q). Besides these two operations the author uses the inversion operation $\overline{P}$ which is defined by the equations: $\overline{0} = 1$, $\overline{1} = 0$, $\overline{1/2} = 1/2$. The "logic of conductances" with these three basic operations is denoted as T-logic. Properly the T-logic is the logic of Lukasevich or, more exactly, a certain part of it. The formulas are called equal in the T-logic if they attain equal values for arbitrary values of the variables admissible in this logic. Besides the equality of the circuits with respect to their conductance the author still defines the equivalence of the circuits with respect to their action for this purpose a special action function d_S^X is introduced characterizing the operating of the relay X in the circuit S. The function d_S^X is defined only for the case where the letter X appears only once in the structure formula S. The definition of the function d_S^X in the general case is formulated in a very complicated way, its

Card 2/4

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

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30837
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C111/C333

The equivalence of relay circuits . . .

expression, however, is sufficiently simple and has the form $xu_1u_2 \cdots u_i \cdots u_n$, where u_i is a certain factor corresponding to that subformula S_i of S in which the i-th operation on X occurs ($i=1,2,\ldots,n$; $S_n = S$).

It is $d_S^X = \frac{1}{2}$ exactly for those values of the variables occurring in the formula S which correspond to the states of the contacts guaranteeing the passage of current through the coil of the relay X. In other cases it holds $d_S^X = 0$. The circuits S and S' are called equivalent with respect to the action of the element X if $d_S^X = d_{S'}^X$. The following theorems are proved: 1.) If the formula S' resulted from the formula S with the aid of commutative and associative laws, then $d_{S'}^X = d_S^X$; 2.) $d_{\bar{S}}^X = d_S^X$; 3.) the function d_S^X is not changed if a part of the circuits, corresponding to a certain S_i taken with respect to the considered X, is inverted; 4.) by application of the distributive laws the function d_S^X can be changed in the general case so that the

Card 3/4

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30837
S/044/61/000/008/006/039
The equivalence of relay circuits . . . C111/C333

equivalence of the circuits can be disturbed with respect to the action of a certain X.

Bibliographic list: 10 titles.

[Abstracter's note: Complete translation]

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Card 4/4

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSTROVA, T. L.

PHASE I BOOK EXPLOITATION SOV/5741

Akademiya nauk SSSR. Laboratoriya sistem peredachi informatsii.

Problemy peredachi informatsii. vyp. 8: Postroyeniye skhem releynogo deystviya (Problems of Information Transfer. v. 8: Designing of Relay Circuits) Moscow, Izd-vo AN SSSR, 1961. 131 p. Errata printed on the inside of back cover. 2,600 copies printed.

Resp. Ed.: V. N. Roginskiy; Deputy Resp. Ed.: V. G. Solomonov; Tech. Ed.: L. V. Yepifanova.

PURPOSE: This collection of articles is intended for scientific and technical personnel concerned with the transfer of information.

COVERAGE: The book contains eight reports on the designing of relay systems. The reports were submitted by scientific workers of the Laboratoriya sistem peredachi informatsii Akademii nauk SSSR (Laboratory of Information Transfer Systems, AS USSR) to the seminar of the laboratory.

Card 1/7

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

TABLE OF CONTENTS:

Foreword 3

Lazarev, V. G., O. A. Oganov, and V. N. Roginskiy. Fundamentals in Designing a Contactless Computer for the Synthesis of Relay Switching Circuits 5

The basic principles in designing individual contactless units of a special-purpose high-speed computer used for the synthesis of relay switching circuits are presented. Submitted 12/26/1959.

Arkhangel'skaya, A. A., V. G. Lazarev, and Ch'en Chün-liang. Concerning the Complexity of Realizing Boolean Functions by Switching Circuits 20

In the graphic designing of (1,k)-terminal switching circuits the number of contacts in individual relay is evaluated. The complexity problem in the realization of Boolean functions by switching circuits is reviewed. The upper bound of the number of contacts for relays of a universal (1,k)-terminal network realizing all the set-ups of k Boolean functions of

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of n variables is discussed; the upper and lower bounds of the number of contacts for the relays of a pseudo-universal (1,k)-terminal network which does not realize all the set-ups of k Boolean functions of n variables are obtained. Methods for determining the "capacity" of a computer for the synthesis of switching circuits are proposed on the basis of upper and lower bounds of the number of contacts in the relays of an (1,k)-terminal network. Submitted 5/17/1960.

Ch'en Chün-liang. Concerning the Evaluation of Switching-Circuit Complexity 45

Propositions presented in the preceding article are developed. The problem of evaluating the complexity of switching (1,k)-terminal networks when the graphic method is used in designing circuits, is examined. Formulas for calculating fractions of the set-ups (i.e., the ratio of the number of occurrences of specific functions to the total number of the occurrences of functions) of k Boolean functions of

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Problems of Information Transfer (Cont.) SOV/5741

n variables are derived for the case when they are realized by a given number of branches and contacts in a single cross section, as well as by a definite number of contacts in the circuit as a whole. In the second instance the fact that the occurrence of Boolean functions on the cross section is not of equal probability is taken into account. Submitted 4/16/1960.

Roginskiy, V. N. Graphic Designing of Switching Circuits With Bypass Paths 67

General methods are presented for the transformation of set-up numbers for a graphic synthesis of multi-terminal switching networks, taking into account bypass paths which are formed in connection with the construction of direct deductions. A method is given for clarifying different variants arising from the nonsinglevaluedness of the set-ups during the construction of direct deductions. Submitted 2/17/1960.

Card 4/7

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

Ch'en Ch'in-liang. Concerning the Distribution of Probabilities of Occurrence of Boolean Functions 74

The article discusses the problem of variation in probability distribution of the occurrence of Boolean functions passing from one cross section to another in the presence of direct deductions when the switching circuits are designed by the graphic or symbolic method. Formulas are derived for calculating the probability of occurrence of Boolean functions in various cross sections, provided the probability distribution of their appearance on zero cross section is known.
Submitted 3/12/1960.

Sagalovich, Yu. L. The Measure of Ordering of a Boolean Function 88

On the basis of the results of writing switching circuits in the form of Boolean functions, the value k is introduced as a minimum number of set-ups of variable values sufficient for identifying a Boolean function.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

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Methods of calculating this value which utilize the properties of various classes of Boolean functions, as well as methods of evaluating it, are given. The method of designing the inertia group of a Boolean function is completed, and a scheme is designed which permits a) carrying out group transformations of Boolean functions; b) constructing equivalent (in the sense of noiseproofness) uniform codes.
Submitted 6/26/1959.

Lazarev, V. G., and O. A. Oganeov. Graphs-Analytical Method of the Synthesis of Contactless Relay Circuits 109
The method of plotting a block-diagram with parametric relationships of a logical (1,k)-terminal network which realizes Boolean functions using logical gates AND, OR, and NOT, is studied.
Submitted 2/17/1960.

Maystrova, T. L., and V. N. Roginskiy. Relay Circuits With Parametric Relationships and Many-Valued Logic 121
Operating conditions of a relay in a circuit with parametric relationships are examined. It is

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

Problems of Information Transfer (Cont.) SOV/5741

demonstrated that the [illegible] of many-valued logic may serve for describing the operation and equivalent transformations of such circuits. [illegible] 2/5/1960

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Card 7/7

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C111/C333

AUTHORS: Maystrova, T. L., Roginskiy, V. N.

TITLE: Relay circuits with parameter dependences and multivalued logic

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1961, 59, abstract 12A372. ("Probl. peredachi informatsii", Vyp. 8. M., AN SSSR, 1961, 121-131)

TEXT: For the analysis and synthesis of relay contact (r.-c.) Π- circuits with parameter dependence or, in other words, of the "mixed" r.-c. Π- circuits (R Zh Mat, 1958, 4556; 1960, 10120K; Sb. nauchnykh rabot po provodnoy svyazi [Symposium of scientific papers on wire communication], AN SSSR, 1957, 6), the same multivalued logic is proposed as in the paper of T. L. Maystrova (R Zh Mat, 1961, 8A292). The problem of the choice of the working conditions of the relays in the circuit is discussed more detailed than in the papers mentioned above. The notion of the "capacity" of the relay used in these papers is not used in the reviewed paper. Here it is replaced by the notion "class χ (A) to which the relay A belongs". "If the class to which the relay A is belonging is denoted by χ (A), the parallel connection by + and its series

Card 1/3

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C111/C333

Relay circuits with parameter . . .

connection by $\cdot$, then the class of a chain consisting of two relays is defined as follows:

$$\chi(A + B) = \max [\chi(A), \chi(B)],$$
$$\chi(A \cdot B) = \min [\chi(A), \chi(B)]."$$

The system of the "classes" $\alpha_1 < \ldots < \alpha_i < \ldots < \alpha_{m-1}$ $(i = 1, \ldots, m-1)$ is completed by the classes 0 and 1. "Let the open chain belong to the class 0, the closed chain to the class 1". The relation $0 < \chi(A) < 1$ holds for every relay A. "The number of the class α_j is called inverse to the number α_i if $\alpha_j = 1 - \alpha_i$. A circuit, in which all parallel connections of the elements are replaced by series connections and the series connections by parallel connections (with change of the numbers of the classes of elements to the inverse numbers), is called inverse circuit to the given circuit." The numbers of classes α_i serve as values of the variables of the (m+1)-valued logic used in the paper. The following operations serve as fundemental operations of this logic:

Card 2/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

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32850

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Relay circuits with parameter . . . C111/C333

$$\alpha_i + \alpha_j = \max(\alpha_i, \alpha_j), \quad \alpha_i \cdot \alpha_j = \min(\alpha_i, \alpha_j), \quad \bar{\alpha}_i = 1 - \alpha_i.$$

[Abstracter's note: Complete translation.]

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Card 3/3

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSTROVA, T. L.

"On application of linear programmings for simplification of normal forms of Boolean functions"

report submitted for the Intl. Symposium on Relay Systems and Finite Automata Theory (IFAC), Moscow, 24 Sep-2 Oct 1962

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S/562/62/000/011/004/008
E140/E135

AUTHOR: Maystrova, T.L.

TITLE: Minimal normal forms of symmetric functions

SOURCE: Akademiya nauk SSSR. Institut problem peredachi informatsii. Problemy peredachi informatsii. no.11. 1962. Voprosy teorii pererabotki i raspredeleniya informatsii. 47-56.

TEXT: The consideration is limited to symmetric functions for which the weights of the terms (number of uncompleted variables) are given by successive integers, k, $k + 1$, $k + 2$, ... $k + q$, with $k > 0$ and $k + q < n$ (monotonic functions are excluded as they cannot be simplified). The method is based on the numerical manipulation of indices.

SUBMITTED: February 25, 1961

Card 1/1

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSTROVA, T.I.

Linear [illegible] of minimiz[illegible] forms of Boolean [illegible] 63.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

GLIKIN, M.I.; IVANOVA, O.S.; DUBOSARSKAYA, M.M.; MAYSTROVAYA, L.A. (Sverdlovsk)

Immediate and remote results of X-irradiation of the tonsils and pharyngeal ring in chronic tonsillitis. Klin.med. 38 no.11:127-128 N '60. (MIRA 13:12)

1. Iz rentgenologicheskogo otdela (rukovoditel' - kand.med.nauk M.I.Glikin) Sverdlovskogo instituta kurortologii i fizioterapii Ministerstva zdravookhraneniya RSFSR (dir. - kand.med.nauk N.V. Orlov).
(TONSILS—DISEASES) (X RAYS—THERAPEUTIC USE)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSTROVSKIY, G.D. [Maistrovs'kyi, H.D.]

Applicability of the drift method. Dop. AN URSR no.4:449-451 '64. (MIRA 17:5)

1. Khar'kovskiy gosudarstvennyy universitet. Predstavleno akademikom UkrSSR A.V.Pogorelovym [Pohorielov, O.V.].

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSTROVYY, R., inzh.

You can make a motion picture yourself. Znan.ta pratsia no.12:19-20 D '59. (MIRA 13:4)
(Motion-picture photography)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

TKACHENKO, F.K.; MAYSTRUK, A.Ya.

Thermal dilatation of cementite. Izv.vys.ucheb.zav.; chern.met. 8 no.6:118-122 '65. (MIRA 18:8)

1. Zhdanovskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

TKACHENKO, F.K.; MAYSTRUK, A.Ya.

Investigating the domain structure of cementite. Izv.vys.ucheb. zav.; chern. met. 8 no.4:160-163 '65.

(MIRA 18:4)

1. Zhdanovskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

GABOVICH, R.D., prof.; MAYSTRUK, P.N.

Fluorine as a factor in the prevention of dental caries. Gig. i san. 24 no.7:21-26 Jl '59. (MIRA 12:9)

1. Iz kafedry gigiyeny Vinnitskogo meditsinskogo instituta i Vinnitskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(FLUORINE
relation of natural fluorine in drinking water to incidence of dent. caries, statist. (Rus))
(DENTAL CARIES, statist.
relation of incidence to natural fluorine in drinking water (Rus))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

BELAGA, M.B., vrach; MAYSTRUK, P.N., vrach.

Practice in sanitary improvement of working conditions at the IA.M.Sverdlov Superphosphate Plant in Vinnitsa. Gig.i san.28. no.1:80-82 Ja'63. (MIRA 16:7)

1. Iz Vinnitskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(VINNITSA--PHOSPHATE INDUSTRY--HYGIENIC ASPECTS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

GABOVICH, R.D., prof.; MAYSTRUK, P.N.

Therapeutic and prophylactic nutrition at fluorine production plants. Vop.pit. 22 no.1:32-38 Ja-F'63 (MIRA 16:11)

1. Iz kafedry kommunal'noy gigiyeny (zav. - prof. R.D.Gabovich) Kiyevskogo meditsinskogo instituta i Vinnitskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.

*

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSTRUK, P. V.

MAYSTRUK, P. V.- "Stabilization of Film Speed in Modern Moving-picture Projectors." Min of Higher Education USSR, Kiev Order of Lenin Polytechnic Inst, Kiev, 1955 (Dissertations For Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, G. I.

"The Role of Fungi in the Development of Toxicosis in Horses Fed on Germinated Oats." Cand Vet Sci, Moscow Veterinary Acad, All-Union Sci-Res Labratory for the Study of Poisonous Fungi, Moscow, 1953.
(RZhBiol, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, G.I., kand. veter. nauk

Highly active Brucella bacteriophage. Veterinariia 41 no.10:14 O '64. (MIRA 18:11)

1. Gruzinskiy zooveterinarnyy uchebno-issledovatel'skiy institut.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MELIKADZE, I.G.; LARIN, R.R.; BEZHANOV, F. Kh.; Prinimali uchastiye: KHUROSHVILI, G., inzh.; TSAGARELI, T., inzh.; ZANTARADZE, E., inzh.; BOCHORISHVILI, G., tekhnik; MAYSURADZE, L., laborant; SHUBLADZE, G., laborant; PANKRATOVA, Ye., kamerez.

Investigation of teschenite disintegration by the thermal method. Soob. AN Gruz. SSR 34 no.3:633-640 Je '64 (MIRA 18:1)

1. Institut gornogo dela imeni G.A. TSulukidze AN Gruzinskoy SSR. Submitted November 25, 1963.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

KHOLODOK, Ye.D.; NIKIFOROV, I.V.; MAYSURADZE, L.I.; ALEKSANDROV, N.I.; BALASHOV, V.I.

New methods for gravity surveying under the conditions of a dense forest. Sbor.luch.rats.predl. pt. 2:4-5 '63. (MIRA 17:5)

1. Ukhtinskoye geologicheskoye upravleniye.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, M.Z.

MD

Participation of the corticotropic hormone of the anterior pituitary gland and the adrenal cortex in the mechanism of the development of hypertonic illness. M. Z. Maisuradze. *Trudy Inst. Klin. i Eksptl. Kardiolog., Akad. Nauk. Gruzin. S.S.R.* 2, 325-38(1953); *Referat. Zhur., Khim.* 1954, No. 44915.—The blood serum of 147 patients suffering from hypertonic illness was analyzed for Na, Cl, and K, and the whole blood also for H_2O. During the 1st stages of the illness Na was usually increased (in 70% of the patients). Cl was increased also (57%), but the maximal increase of Cl ions was observed during the later stages of the illness and the increase coincided with the increase of water. K was decreased in some instances (36%). Daily administration of 1 ml. serum of the patients to white rats and mice during 8 days caused hypertrophy of the adrenal cortex of the animals; this indicated the presence of a large amt. of adrenocorticotropic hormone in the blood of the patients. Administration of the complex of hormones of adrenal cortex (obtained from the urine of the patients) to rabbits increased the amt. of Na in the blood of the animals. It is concluded that hyperfunction of the hypophysis-adrenal system occurs already during the 1st stages of the hypertonic illness. B. Wierbicki

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, M. Z.

MAYSURADZE, M. Z.: "On the role of the corticotropic hormone of the anterios lobe of the hypophysis and of the suprarenal cortex in the development of hypertonic disease". Tbilisi, 1955. Publishing House of the Acad Sci Georgian SSR. Tbilisi State Medical Inst. (Dissertations for the degree of Candidate of Medical Science.)

SO: Knizhnaya Letopis' No. 50 10 December 1955. Moscow.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, M.Z.

Ammonia and protein-bound amide nitrogen of the myocardium in chronic irritation of the gallbladder. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 7 no.2:41-45 '61. (MIRA 17:1)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, M. [illegible]

Quantity of [illegible]-ketosteroids in the amount of urine secreted in a 24-hour period and the Thorn eosinopenic test in coronary disease. Trudy Inst. klin. i eksper. kard. [illegible] SSR 8:97-[illegible] [illegible]. (MIRA [illegible])

1. Institut kardiologii [illegible] Tbilisi.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

NASKIDASHVILI, I.A.; DOLIDZE, V.M.; MAYSURADZE, N.A.

Effect of a small amount of impurities on the self-diffusion rate of zince. Trudy Inst.fiz.AN Gruz.SSR 8:231-242 '62. (MIRA 16:2)

(Zinc—Metallurgy)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

KIRIYA, T.A.; MAYSURA[illegible], N.A.

Calculating the elongation of drilling and casing strings.
Neft. khoz. 41 no.7:25-29 Jl '63 (MIRA 17:[illegible])

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

L 18726-66 EWT(m)/EWP(j) DS/RM (A)

ACC NR: AP6005090 SOURCE CODE: UR/0251/65/040/003/0607/0612

AUTHOR: Nogaydeli, A. I.; Dzhaparidze, K. G.; Brodzeli, M. I.; Davadze, L. V.; Mayburadze, D. F.; Kertsman, E. L.; Chubabriya, M. Ya.

ORG: none

50
B

TITLE: Synthesis and certain photochemical properties of 7-nitro-1', 3', 3'-trimethyl-spiro-naphthopyran- 2,2'-indoline

SOURCE: AN GruzSSR. Soobshcheniya, v. 40, no. 3, 1965, 607-612

TOPIC TAGS: photoeffect, spiropyran compound, UV irradiation, spectrophotometry, cryogenic effect / 7-nitro-1', 3', 3'-trimethyl-spiro-naphthopyran- 2,2'-indoline

ABSTRACT: On the assumption that the change in color on heating of 1', 2', 3'-trimethyl-indoline-β-naphthopyrilo-spiran, a substance synthesized by Wizinger and Wenning in 1940 (Helv. Chem. Acta, v. 23, 1940, 247) is associated with the splitting of the pyran cycle and hence also with a change in internal configuration and re-distribution of bonds in the molecule, and in view of the importance of this problem, the authors synthesized yet another representative of nonsymmetric spiropyrans, namely, 7-nitro-1', 3', 3'-trimethyl-spiro-naphthopyran- 2,2'-indoline (yellowish acicular crystals) through condensation of 8 g of Fisher's base with 8 g of 6-nitro-2-oxy-β-naphthaldehyde (Fig. 1) by heating to 60°C for 1 hr, thus obtaining a thermo-

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L 18726-66

ACC NR: AP6005090

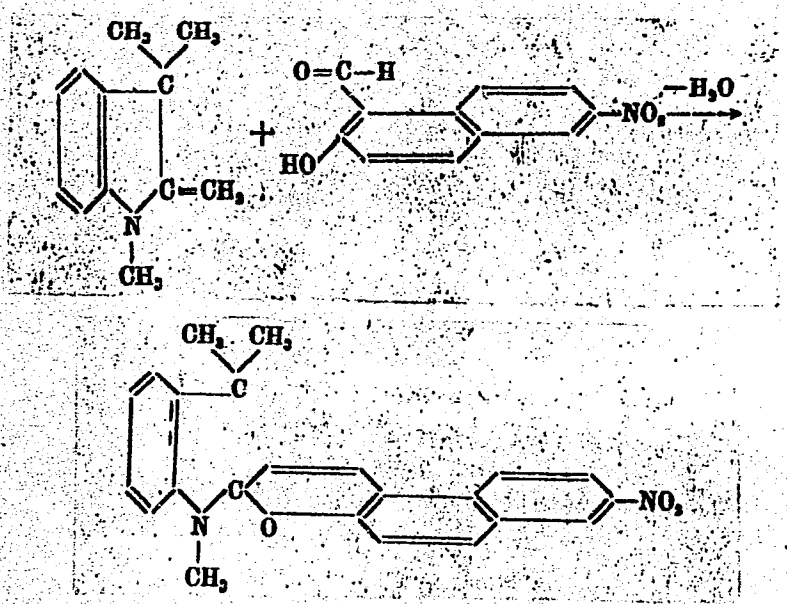

Fig. 1.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

L 18726-66

ACC NR: AP6005090

chromic compound which, in a ligroin solution, is colorless at room temperature but acquires a purple color when heated to 100-150°C. The photochromic properties of this new spironpyran were investigated in a specially designed cryostat (attachment to an SF-10 spectrophotometer). The investigation was performed in liquid (paraffin oil and a mixture of ethanol and methanol in the mutual ratio of 4:1) and solid (polystyrene-ethyl cellulose) solutions. Findings: ultraviolet irradiation at room temperature does not change the color of solution. A reduction in temperature to -10°C in the liquid solution, however, along with a subsequent brief irradiation with λ = 366 mμ causes the solution to acquire a purple color. A peak in the 580 mμ region appears in the absorption spectrum. The process is reversible with time. At still lower temperatures (-90 to -100°C), on the other hand, the process becomes irreversible so long as these temperatures apply. Increasing the temperature instantaneously restores the original pale-yellow color. Orig. art. has: 5 figures, 2 formulas.

SUB CODE: 03, 07, 20/ SUBM DATE: 06Jul65/ ORIG REF: 000/ OTH REF: 007

Card 3/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, N.I.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, N.I., kand.sel'skokhoz.nauk

Intervarietal hybrids and nucellar seedlings of orange. Agrobiologiia no.2:188-192 Mr-Ap '59. (MIRA 12:6)

1. Sukhumskaya opytnaya stantsiya subtropicheskikh kul'tur. (Orange breeding)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, N.I., kandidat sel'skokhozyaystvennykh nauk

Speeding up the fruiting of citrus seedlings. Agrobiologiia no.1: 63-66 Ja-F '60. (MIRA 13:5)

1. Sukhumskaya opytnaya stantsiya subtropicheskikh kul'tur.
(Citrus fruits)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, N.I., kand.sel'skokhozyaystvennykh nauk

Growth of sexual and nucellar orange germs. Agrobiologiia no.2:309-310 Mr-Ap '61. (MIRA 14:3)

1. Sukhumskaya opytnaya stantsiya subtropicheskikh kul'tur Vsesoyuznogo instituta rasteniyevodstva.
(Orange)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, N.I., kand. sel'khoz. nauk

Biological characteristics of the chimera of orange with P. trifoliata Raf. Agrobiologiia no.5:776-778 S-O '61. (MIRA 14:10)

1. Sukhumskaya opytnaya stantsiya Vsesoyuznogo instituta rastenivodstva.
(Chimeras (Botany)) (Orange)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, N.I., kand. sel'skokhoz. nauk

Intergeneric chimeras of trifoliate orange and citrus fruits and the behavior of their seed progeny. Agrobiologiia no.4:580-588 Jl-Ag '64. (MIRA 17:12)

1. Sukhumskaya opytnaya stantsiya subtropicheskikh kul'tur.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, V. Z.

"Certain Problems of the Nervous Regulation of the Secretory Activity of the Stomach." Cand Med Sci, Tbilisi Medical Inst, Tbilisi, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, N.Z.

Effect of stimulating the receptors of the oral cavity with hydrochloric acid on the secretory activity of the stomach. Soob. AN Gruz. SSR 20 no.6:715-720 Je '58. (MIRA 11:10)

1.Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavlene chlenom-korrespondentom Akademii A.N. Bakuradze.
(STOMACH--SECRETIONS) (HYDROCHLORIC ACID--PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

SOV/49-59-9-12/25

AUTHORS: Tskhakaya, A. D. and Maysuradze, O. M

TITLE: Achigvara Earthquake on the 5th June 1958

PERIODICAL: Izvestiya Akademii nauk, SSSR, Seriya geofizicheskaya, 1959, Nr 9, pp 1386-1392 (USSR)

ABSTRACT: The earthquake occurred at 2 h 5 m 57 s GMT. Its epicentre was found at 42° 42N, 41° 39E. (Fig 3). The force was determined as 7 and the intensity M as 4½. The focus was estimated 10 km deep. During the following days some 21 epicentres of the secondary shocks were recorded (Fig 4). According to the Seismic Atlas of the USSR, the area had only a few earthquakes of M ≤ 2 and force about 5. Therefore, it is proposed that an appropriate adjustment should be made for this region in the Seismic Zoning Chart of the USSR. There are 4 figures, 2 tables and 12 Soviet references.

ASSOCIATION: Akademiya nauk Gruzinskoy SSR. Institut geofiziki (AS Gruzinskaya SSR. Institute of Geophysics)

SUBMITTED: March 27, 1959

Card 1/1

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, O.M.

Analysis of earthquakes of Gegechkori District recorded during 1956-1957. Trudy Inst. geofiz. AN Gruz. SSR 19 '60. (MIRA 14:9)
(Gegechkori District--Earthquakes)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

L 10790-65 EWT(1)/EWA(h) Peb/Pa-4 AFETR/AFWL/SSD/ESD(t) GW
ACCESSION NR: AR4039994 S/0169/64/000/004/G021/G021

SOURCE: Ref. zh. Geofiz., Abs. 4G133

AUTHOR: Maysuradze, O. M.

TITLE: Seismotectonic characteristics of Western Georgia

CITED SOURCE: Tr. in-ta geofiz. AN GruzSSR, v. 21, 1963, 27-36

TOPIC TAGS: geology, geophysics, seismicity, seismic zoning, geotectonics, seismotectonics

TRANSLATION: This article gives a brief geotectonic and seismotectonic description of Western Georgia and includes a seismotectonic map. Among the four principal geotectonic elements of the region (western part of the geoanticlinorium of the main range, western part of the folded system of the southern slope, western part of the Georgian block, western part of the Adzhero-Trialetskaya folded system), it is the western part of the Georgian block which is most seismic. There is a more detailed discussion of the seismotectonic conditions of the Gegechkorskiy region. A map of the seismic zoning of Western Georgia is proposed for consideration. Bibliography of 20 references. Author's summary.

Card 1/2

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

L 10790-65
ACCESSION NR: AR4039994

ASSOCIATION: Institut geofiziki AN Gruzinskoy SSR (Geophysics Institute, Academy of Sciences, Georgian SSR)

SUB CODE: ES ENCL: 00

Card 2/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

TSKHAKAYA, A.D.; MAYSURADZE, O.N.

The Adzhar-Guriya earthquake of May 20, 1959. Trudy Inst. geofiz. AN Gruz. SSR 21:61-75 '63.

(MIRA 18:12)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, G. N.: Master Tech Sci (diss) -- "The stability of straight-line movement of agricultural machines". Tbilisi, 1959, published by the Georgian Agric Inst. 18 pp (Min Agric USSR, Georgian Order of Labor Red Banner Agric Inst), 100 copies (KL, No 18, 1959, 125)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

S/203/61/001/005/020/028
A006/A101

AUTHOR: Maysuradze, P. A.

TITLE: Some results of geomagnetic observations in the region of the southern geomagnetic pole

PERIODICAL: Geomagnetizm i aeronomiya, v. 1, no. 5, 1961, 772 - 780

TEXT: Information is given on results of geomagnetic observations carried out from January to December 1958 at the Vostok station in the region of the southern magnetic pole ($\varphi_S = 79^\circ$; $\Lambda_E = 106$; $\Phi_S = 89^\circ$). The investigations included vertical sounding of the ionosphere; study of the terrestrial magnetic field and photorecording of aurora polaris. The author describes diurnal S_q-variations, diurnal and annual variations of magnetic activity, and the correlation of magnetic disturbances and aurora polaris. The following conclusions are presented In the region of the Vostok station S_q-variations appear as a plain wave with considerable amplitudes, in particular during the summer and equinox. The S_q-amplitudes increase sharply during the polar summer. Diurnal variations of magnetic activity are clearly marked with a midday maximum and an amplitude increasing abruptly from winter to summer. There are symptoms for the existence

Card 1/2

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of a portion in S_a which depends on universal time. The basic part of S_a during the summer depends on local time. The annual variations of activity at the Vostok station appear as a plain wave with a distinct maximum during the summer, when the occurrence and intensity of magnetic storms increases by a factor of 4 as compared to the winter. The correlation between magnetic disturbances and the corpuscular intrusions into the ionosphere (aurora polaris) increases noticeably from winter to summer. It can therefore be assumed that magnetic disturbances depend considerably on dynamic processes which are more intensive during the summer. There are 5 figures, 3 tables and 11 references: 7 Soviet-bloc and 4 non-Soviet-bloc.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln, AN SSSR (Institute of Terrestrial Magnetism, Ionosphere and Propagation of Radiowaves, AS USSR)

SUBMITTED: August 4, 1961

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

S/904/61/000/000/009/011
D218/D308

AUTHORS: Maysuradze, P. A., and Yanovskiy, G. N.

TITLE: Antenna system excluding polarization fading

SOURCE: Doklady Nauchnogo simpoziuma po ionosfere, Rostov-na-Donu, 21-22 aprelya 1960 g. V razdel programmy MGG (ionosfera). Rostov on the Don, Izd-vo Rostov. univ., 1961 101-107

TEXT: One of the magneto-ionic components was suppressed by means of the six-terminal two-section network shown in Fig. 2. This ensured the necessary 90° phase difference in the range 1 - 10 Mc/sec. The wave-impedance equalizing circuit which was employed is shown in Fig. 7. There are 8 figures and 2 tables.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR (Institute of Terrestrial Magnetism, Ionosphere, and Radiowave Propagation, AS USSR)

Card 1/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

L 11253-66 EWT(1)/FCC GW

ACC NR: AP6002753 SOURCE CODE: UR/0203/65/005/006/1071/1077

44 55

AUTHOR: Maysuradze, P. A.

44 55

ORG: Institute of Terrestrial Magnetism, Ionosphere, and Propagation of Radio Waves, AN SSSR (Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR)

TITLE: On the dynamics of the magnetic field variation at high latitudes

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 6, 1965, 1071-1077

TOPIC TAGS: electromagnetic field, ~~magnetic disturbance, magnetic component~~, magnetic storm, earth magnetic field, weather map

ABSTRACT: The study of the changing state of the earth's electromagnetic field from moment to moment has assumed much interest with the exploration of space by man. The study of this question is difficult because of the lack of observation stations. An attempt was made to investigate the global distribution of magnetic disturbances using synoptic maps of magnetic disturbances from hour to hour. Values of variations of magnetic components ΔZ, ΔX, and ΔY for each hour of the day were taken from observation data of 51 stations of the Northern Hemisphere. Five magnetically disturbed days in 1958 were chosen, for which the hourly deviations of magnetic components from the undisturbed state of the field were determined. Positive and negative deviations from the undisturbed state for the chosen hour were distributed in spirals around the magnetic pole to 40° N. Lat. Spirals of the

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L 11253-66

ACC NR: AP6002753

3

disturbed field changed their positions from hour to hour during magnetic storms. Regular spiral curls depend upon local time. Irregular changes occur during storms. It is impossible to detect an undisturbed geomagnetic field in the polar cap during the polar day because of omnipresent strong magnetic perturbations. The undisturbed field was taken from the magnetic state during the polar night when no significant disturbances take place. The average magnetic state of six quiet days in November and December 1958 was chosen as a standard undisturbed field. All magnetic disturbances were compared with this standard. Orig. art. has: 4 figures. [EG]

SUB CODE: 08,04 SUBM DATE: 08Sep64/ ORIG REF: 005/ OTH REF: 001/ ATD PRESS: 4174

Card 2/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

ACC NR: AP6032684 SOURCE CODE: UR/0203/66/006/005/0815/0821

AUTHOR: Mustel', E. R.; Maysuradze, P. A.

ORG: Astronomic Council, AN SSSR (Astronomicheskiy sovet AN SSSR); Institute of Terrestrial Magnetism, Ionosphere, and Propagation of Radio Waves, AN SSSR (Institut Zemnogo magnetizma, ionosfery i resprostraneniya radiovoln AN SSSR)

TITLE: Radial dimensions of corpuscular stream from a chromospheric flare and the time during which the earth was located in the stream

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 5, 1966, 815-821

TOPIC TAGS: chromospheric flare, magnetic perturbation, corpuscular stream, sudden magnetic storm, radiation belt, magnetosphere, horizontal component, SOLAR FLARE, SOLAR CHROMOSPHERE, SOLAR CORPUSCULAR RADIATION

ABSTRACT: Intense chromospheric flares last less than 2 hr, but sporadic magnetic perturbations last about 1—1.5 days. This difference in duration indicates that the corpuscular stream caused by a flare is heterogeneous and gases ejected from the sun move at different speeds. An attempt is made to determine the stream thickness. A shell including the stream cloud is determined by the outer and inner radii. The difference between the outer and inner radii yields the dimensions of the

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ACC NR: AP6032684

cloud. The beginning of the sudden magnetic storm indicates the arrival of the first particles ejected from the flare which influences the radiation belts of the earth and the magnetosphere. This moment can be detected by the appearance of the D_{st} variations in the horizontal component of the magnetic field. D_{st} variations appear distinctly in recording instruments of magnetic stations of low latitudes and have a global character. When the D_{st} variations disappear and the normal magnetic field is restored, it also means that slow particles have passed the earth's orbit. The thickness of the particle cloud can be determined from the beginning and the end of the magnetic storm and the velocity of the particle stream. Moments of the beginning and the end of the storm can be determined, taking into consideration magnetic indices K, a_p, and a_c. K characterizes the general perturbed field, a_p specifies irregular changes of the magnetic field associated with D_{st} variations at low latitudes, and a_c the same kind of changes in polar regions. These indices characterize the commencement and end of the storm. Orig. art. has: 1 table, 2 figures, and 6 formulas.

SUB CODE: 03/ SUBM DATE: 17Jul65/ ORIG REF: 003/ OTH REF: 003

Card 2/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

BOROVIKOV, A.N.; KOBIASHVILI, R.I.; MAYSURADZE, T.G.

Automatic hard facing of steel rolls under a layer of ceramic flux. Biul. TSIICHM no.1:40-41 '61. (MIRA 14:9)

1. Zakavkazskiy metallurgicheskiy zavod.
(Hard facing) (Flux (Metallurgy))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

BALANDIN, B.A.; DUSHKEVICH, M.K.; LIPSHITS, S.G.; MAYSURADZE, V.F.; KABAL'CHICH, O.A., retsenzent; SERGEYEV, V.I., retsenzent; IZAKSON, G.M., red.; USENKO, L.A., tekhn. red.

[Moscow - the Caucasus; railroad gude]Moskva - Kavkaz; zheleznodorozhnyi putevoditel'. Moskva, Transzheldorizdat, 1962. 185 p. (MIRA 15:12)

(Railroads—Guides)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, V.P., elektromekhanik

Improving the condition of equipment. Avtom., telem. i sviaz' 4 no.1:29 Ja '60. (MIRA 13:4)

1. Tbilisskaya distantsiya signalizatsii i svyazi Zakavkazskoy dorogi.
(Railroads--Electronic equipment)
(Railroads--Maintenance and repair)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, V.P., elektromekhanik

Relay interlocking systems have come into wide use. Avtom., telem.i sviaz' 6 no.1:23 Ja '62. (MIRA 15:3)

1. Tbilisskaya distantsiya signalizatsii i svyazi Zakavkazskoy dorogi.
(Railroads—Signaling—Interlocking systems)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE, Z.N.; GABUNIYA, D.S.; LEGRAN, N.E.; MAKADZE, M.M.; MAKHATADZE, N.K.; SARKISOVA, Ye.G.; TSIBADZE, D.S.

Microvascular system of the cerebral cortex in dogs. Soob. AN Gruz. SSR 26 no.4:469-476 Ap '61. (MIRA 14:8)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavleno akademikom A.D. Zurabashvili.
(CEREBRAL CORTEX—BLOOD VESSELS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURADZE-MITROPOL'SKAYA, R.A. (Moscow); ZHELEZOVSKAYA, I.B. (Moscow).

Course of post partum period following manual removal of after-birth with prophylactic application of penicillin. Fel'd.i akush. no.12:33-35 D '53. (MLRA 6:12)

(Penicillin) (Labor, Complicated)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

ALEKHIN, S.V., doktor tekhn.nauk; MAYSUROV, A.V., inzh.

Method of computing actual values of specific pressures in designing sliding bearings. Sbor.LIIZHT no.160:126-143 '58. (MIRA 12:5)

(Bearings (Machinery))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

J-2

USSR/Soil Science. Soil Genesis and Geography

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91356

Author : Maysuryan A.N.
Inst : Moscow Agricultural Acad. im. Timiryazev
Title : Certain Characteristics of the Soil Cover of the Northern Part of Chkalovskiy Rayon, Kokchetavskaya Oblast

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, vyp. 29, 262-266

Abstract : A characteristic feature of ordinary chernozems in the boundaries of Chkalovskaya Oblast consists in the unequal distribution of humus in the soil mass, when tongues which are rich in humus alternate with wedges of subsoil. The tongues are formed in crevices into which soil solutions and plant roots penetrate. In ordinary chernozems of average thickness, the thickness of the A + B horizons does not exceed 60 cm. and the humus content is 6 percent. Saliferous chernozems are widely distributed and are distinguished by poorer hydrophysical properties. Less thick meadow-chernozem soils

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MAYOURYAN, A.A., Cand Agr Sci -- (diss) "Soils of the north-east of Chkalovskiy Rayon of Kokchetavskaya Oblast." Mo , 1956, [illegible] (Mos Order of Lenin Agr Acad im K.A. Timiryazev) 110 copies (KL, [illegible], 109)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

L 1619-66

ACCESSION NR: AP5017764 UR/0216/65/000/004/0542/0549
575.24

AUTHOR: Alikhanyan, S. I.; Grinberg, K. N.; Krylov, V. N.; Maysuryan, A. N.; Oganesyan, M. G.

TITLE: Temperature-sensitive (ts) mutants of bacteriophage T4B

SOURCE: AN SSSR. Izvestiya. Seriya biologicheskaya, no. 4, 1965, 542-549

TOPIC TAGS: bacterial genetics, biochemistry, temperature characteristic

ABSTRACT: A new method of inducing temperature-sensitive bacteriophage T4B mutants with disturbed synthesis of various enzymes, particularly those required for DNA synthesis, is described. E. coli B strains were infected with bacteriophage T4B and cultivated in a broth using 2,6-diaminopurine, hydroxylamine, ultraviolet light, and 5-bromouracil as mutagenic agents. Mutants were selected from a total of 298 colonies by methods of absolute selection, minute-phenotype, and antiphage serum. In contrast to phage T4B, the mutants behave differently at 27 and 42 C. Hydroxylamine with

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ACCESSION NR: AP5017764

antiphage serum yielded a high percentage (15-20%) of ts-mutants. Preliminary classification of the ts-mutants by a complementation test divided them into 50 groups. Some groups had 4-7 mutants, others 2, and the majority one. A physiological study of the ts-mutants showed that their thermal sensitivity is related to the thermolability of the intracellular developmental stages. Differences were found in mutant inactivation kinetics when applying the one step growth cycle according to Adams at 42 C. On the basis of these differences the mutants may be divided into 4 phenotypes. The fact that these mutants were preliminarily distributed over 50 groups indicates that many genes are affected by mutations. The tests confirmed the assumption that conditionally lethal mutations may be induced from the bacteriophage T4B. Orig. art. has: 6 tables and 2 figures.

ASSOCIATION: Institut atomnoy energii im. I. V. Kurchatova (Institute of Atomic Energy)

SUBMITTED: 08Jun64 ENCL: 00 SUB CODE: LS

NR REF SOV: 002 OTHER: 006

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

CA

28

Saccharification of potatoes. R. B. Davydov, S. A. Malsuryan, and L. F. Voltkevich. U.S.S.R. 64,016, April 30, 1945. Potatoes are cooked and then treated with 5-10% of malt at 60-65°. The saccharified mass is concd. to 45-50% of dry matter. This produces a maltose paste. M. H.

COMMON ELEMENTS

OPEN

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR INDEX

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURYAN, N A

MAYSURYAN, N A
RASTENIYEVODSTVO; LABORATORNYYE ZANYATIYA (CROP PLANTING; LABORATORY STUDIES) IZD. 3, PERER. I DOPOL. MOSKVA, GOS. SEL'KHOZGIZ, 1954. 359 P. ILLUS., TABLES.

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APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

STEBUT, Ivan Aleksandrovich, professor; MAYSURYAN, N.A., professor, doktor sel'skokhozyaystvennykh nauk; KANTOROVICH, A.V., spetsredaktor; GRIGOR'YEVA, A.I., redaktor; FEDOTOVA, A.F., tekhnicheskiy redaktor

[Selected work; in two volumes] Izbrannye sochineniia; v dvukh tomakh. Moskva, Gos. izd-vo selkhoz. lit-ry. Vol.1. [Principles of field crop cultivation] Osnovy polevoi kul'tury. 1956. 791 p.
(Field crops) (MLRA 9:11)
(Fallowing)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURYAN, N.A., doktor sel'skokhozyaystvennykh nauk, professor;
PILATOV, N.K., kandidat sel'skokhozyaystvennykh nauk.

Methods for accelerating the ripening of lupine. Izv. TSKhA no.2:37-52 '56. (MLRA 9:12)

(Lupine)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURYAN, N.A., professor.

Dessication of standing plants. Zemledelie 4 no.6:80-83 Je '56. (MLRA 9:8)

(Grain--Drying) (Spraying and dusting)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURYAN, N.A.

The role of alkaloids in plants. N. A. Maisuryan. *Doklady Akad. Nauk Armyan. S.S.R.* 22, No. 2, 91-5(in Russian; Armenian summary, 95-8)(1956).—Expts. with alkaloid-bearing and alkaloid-free strains of lupine were made in which the seeds of alkaloid-free plants were soaked for 4 hrs. in aq. solns. of alkaloids; the sprouting was retarded in p[illegible]rtion to the content of alkaloids in the soln.

G. M. Kosolapoff

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

USSR/Cultivated Plants. General Problems. II

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68061

Author : Haysuryan, N. A.
Inst : Moscow ~~Agricultural~~ Academy imeni K. A. Timiryazev.
Title : The Treatment of Plant Cultivating Problems at the Timiryazev Agricultural Academy during the past 40 Years.

Orig Pub : Izv. Timiryazevsk. s.-kh. akad., 1957, No 4, 67-76

Abstract : No abstract.

Card : 1/1

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURYAN, N.A.

MAYSURYAN, N.A., prof.

Rice sowing in France. Zemledelie 5 no.12:79-82 D '57. (MIRA 11:1)

(France--Rice)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

USSR/Cultivated Plants. Potatoes. Vegetables. Melons. M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20367.

Author : N.A. Maysuryan
Inst : Not given
Title : A Valuable Vegetable Root Crop. (Tsennyy ovoshchnoy korneplod).

Orig Pub: Sad i ogorod, 1957, No 7, 74.

Abstract: A short description of the vegetable culture of scorzonera (Scorzonera hispanica L.) is given which has been cultivated in many lands and has highly palatable qualities, yielding on fertilized soils up to 200 centners per hectare of root harvest.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURYAN, N.A.

ATABEKOVA, A.I., doktor sel'skokhozyaystvennykh nauk; MAYSURYAN, N.A., doktor sel'skokhozyaystvennykh nauk, prof.; NEGRUL', A.M., doktor sel'skokhozyaystvennykh nauk, prof.; EDEL'SHTEYN, V.I., pochetnyy akademik.

A Soviet scientist, Academician N.I. Vavilov. Izv. TSKhA no.1(20): 221-228 '58. (MIRA 11:4)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I. Lenina (for Edel'shteyn).
(Vavilov, Nikolai Ivanovich, 1887-1942)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURYAN, N.A.

Ivan Aleksandrovich Stebut; on the 124th anniversary of his birth. Izv. TSKhA no. 3:233-237 '58. (MIRA 11:7)
(Stebut, Ivan Aleksandrovich, 1833-1923)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAISSOURIAN, N.A.

"Histoire de la Culture du Lupin."
Paper submitted for the Int'l Botanical Congress, Montreal, Canada, 19-29 Aug 1959.

Academic Lenine des Sciences Agricoles de l'U.R.S.S., Moscow.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURYAN, N.A., akademik

Life and work of Charles Darwin. Izv.TSKhA no.3:27-36 '59. (MIRA 12:10)

(Darwin, Charles Robert, 1809-1882)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURYAN, N.A., akademik; PEREKAL'SKIY, F.M., kand.sel'skokhozyaystvennykh nauk

High crop yields are based on correct accumulation and utilization of moisture. Zemledelie 7 no.4:9-13 Ap '59. (MIRA 12:6)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. Lenina (for Maysuryan).
(Soil moisture) (Field crops)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

M

Country : USSR
Category: Cultivated Plants. Grains.

Abs Jour: RZhBiol., No 22, 1958, No 100275

Author : Maysuryan, N.A.
Inst : -
Title : Experience in Rice Planting in France.

Orig Pub: Zemledeliye, 1957, No 12, 79-92.

Abstract: In Camarge (France), the plowing of the soil for rice is done in fall or early in spring. 1-1.5 tons of mineral fertilizers are applied. The plots are 5-10 hectares, bounded by permanent embankments, and are flooded with a sheet of water not exceeding 10-15 centimeters. The seedlings are grown from April to June

Card : 1/2

M

—Biol., No 22, 1958, No 100275

on special plots protected by tree plantings and a wall of plywood panels and woven mats. Planting is by hand, in hedge row pockets with several plants in a hill. As the growth proceeds, the water level is raised to 15 centimeters. The water remains stagnant until the plants mature. Harvesting is chiefly by hand. Straw is plowed under. With continuous cultivation, an average yield of 40 centners/ha is obtained. -- M.V. Dranishnikov

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Card : 2/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2

MAYSURYAN, N.A., akademik

Possibilities for solving the grain problems by modern plant growing methods. Izv. TSKhA no.5:63-74 '59 (MIRA 13:3)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V. I. Lenina.
(Grain)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033110019-2"